BRUHATH BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka Zone

NAME OF WORK:Widening of Major Sandeeep Unnikrishanan Road From Doddaballapura Road to Yelahanka Bus stand Road Towards BWSSB Water Tank side in ward No.04

Name of the agency: Sri.Uday Shetty

IPC No :2nd and final | **Item No :1**

MEASUREMENT SHEET

Item No :1 | Removing B.S Slab of Drain and Stacking

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in cum	Remarks
Refixing Stone Slabs				B1	B2	B3	(B1+B2+B3)/3			
1	2	3	4	5	6	7	8	9	10	11
Drain Slab		1	14				1.2		16.80	
0-15		1	15				0.30		4.50	
15-30		1	15							BWSSB office
30-45		1	15				0.30		4.50	
45-60		1	15				0.30		4.50	
60-75		1	15				0.30		4.50	
75-90		1	15				0.30		4.50	
90-105		1	15				0.30		4.50	
105-120		1	15				0.30		4.50	
120-135		1	15				0.30		4.50	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in cum	Remarks
135-142		1	7				0.30		2.10	
142-152		1	10							C/S Road
152-167		1	15				0.30		4.50	
167-182		1	15				0.30		4.50	
182-197		1	15				0.30		4.50	
197-212		1	15				0.30		4.50	
212-227		1	15				0.30		4.50	
227-247		1	20				0.30		6.00	
247-257		1	10							C/S Road
257-272		1	15				0.30		4.50	
272-287		1	15				0.30		4.50	
287-302		1	15				0.30		4.50	
302-317		1	15				0.30		4.50	
317-332		1	15				0.30		4.50	
332-347		1	15				0.30		4.50	
347-362		1	15				0.30		4.50	
362-377		1	15				0.30		4.50	
377-392		1	15				0.30		4.50	
392-406		1	14				0.30		4.20	
406-413		1	7							C/S Road
413-437		1	24				0.30		7.20	
437-452		1	15				0.30		4.50	
452-467		1	15				0.30		4.50	
467-482		1	15				0.30		4.50	
482-497		1	15				0.30		4.50	
497-515		1	18				0.30		5.40	Andhra bank ATM

Contractor Consultant Assistant Engineer Assistant Executive Engineer

Particulars	Unit	No	L (m)	B			(m)	D (m)	Qty in cum	Remarks
515-527		1	12				0.30		3.60	Sree sai yalahanka orthopedic centere
527-542		1	15				0.30		4.50	
542-557		1	15				0.30		4.50	
557-572		1	15				0.30		4.50	
572-587		1	15				0.30		4.50	
587-609		1	22				0.30		6.60	
609-620		1	0				0.30		0.00	C/S Road
620-632		1	12				0.30		3.60	
632-647		1	15				0.30		4.50	
647-662		1	15				0.30		4.50	
662-677		1	15				0.30		4.50	
677-692		1	15				0.30		4.50	
692-707		1	15				0.30		4.50	
707-722		1	15				0.30		4.50	
722-737		1	15				0.30		4.50	
737-752		1	15				0.30		4.50	
752-767		1	15				0.30		4.50	
767-782		1	15				0.30		4.50	
782-797		1	15				0.30		4.50	
797-812		1	15				0.30		4.50	
812-827		1	15				0.30		4.50	
827-847		1	20				0.30		6.00	
847-852		1	5							C/S Road
852-872		1	20				0.30		6.00	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Particulars	Unit	No	L (m)	B			(m)	D (m)	Qty in cum	Remarks
872-887		1	15				0.30		4.50	
887-902		1	15				0.30		4.50	
902-917		1	15				0.30		4.50	
917-932		1	15				0.30		4.50	
932-947		1	15				0.30		4.50	
947-962		1	15				0.30		4.50	
962-977		1	15				0.30		4.50	
977-992		1	15				0.30		4.50	
992-1007		1	15				0.30		4.50	
1007-1022		1	15				0.30		4.50	
1022-1032		1	10				0.30		3.00	
									309	
								Total Qtty	**309.00**	Sqm

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

BRUHATH BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka Zone

NAME OF WORK::Widening of Major Sandeep Unnikrishnan Road from Doddaballapura Road to Yelahanka Bus stand road towards BWSSB Water tank side in ward No.04

Name of the agency: Sri.Uday shetty

IPC No :2nd and final | **Item No :2**

MEASUREMENT SHEET

Item No : 2 — KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.133, I.No.19.1 of PW, P&IWTD SR 2015-16)

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in Sqm	Remarks
Removing Stone Slabs				B1	B2	B3	(B1+B2+B3)/3			
1	2	3	4	5	6	7	8	9	10	11
LHS										
For Culverts							1.60	0.60	11.52	
15th cross road		1	12.00				1.60	0.60	10.37	
BBmp office road		1	10.80					Total Qty	21.89	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

BRUHATH BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka Zone

NAME OF WORK::Widening of Major Sandeep Unnikrishnan Road from Doddaballapura Road to Yelahanka Bus stand road towards BWSSB Water tank side in ward No.04

Name of the agency: Sri.Uday shetty

IPC No :2nd and final | **Item No :3**

MEASUREMENT SHEET

Item No : 3 — KSRRB M200-13.1. Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceble material and stacking the serviceble material with all lifts complete as per specifications.
II. By mechanical means, A. Cement concrete Grade M-15 & M-20

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in Cum	Remarks
				B1	B2	B3	(B1+B2+B3)/3			
1	2	3	4	5	6	7	8	9	10	11
Qty now to be Paid									NIL	
DPQ Item no-03 of MB no 29/09-10									72.00	
Qty now to be Paid								Total Qty	NIL	

Contractor Consultant Assistant Engineer Assistant Executive Engineer

BRUHATH BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka Zone

NAME OF WORK::Widening of Major Sandeep Unnikrishnan Road from Doddaballapura Road to Yelahanka Bus stand road towards BWSSB Water tank side in ward No.04

Name of the agency: Sri.Uday shetty

IPC No :2nd and final | **Item No :4**

MEASUREMENT SHEET

Item No : 4 — KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2015-16)

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in Sqm	Remarks
Removing Stone Slabs				B1	B2	B3	(B1+B2+B3)/3			
1	2	3	4	5	6	7	8	9	10	11
LHS										
for shoulder darins										
ch 20		1	6.00				0.80	0.10	0.48	
ch 47		1	5.80				0.80	0.10	0.46	
ch 83		1	6.00				0.80	0.10	0.48	
ch 108		1	6.00				0.80	0.10	0.48	
ch 130		1	6.50				0.80	0.10	0.52	
ch 185		1	6.00				0.80	0.10	0.48	
ch 206		1	6.50				0.80	0.10	0.52	
ch 240		1	5.50				0.80	0.10	0.44	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in Sqm	Remarks
ch 270		1	5.50				0.80	0.10	0.44	
ch 283		1	5.50				0.80	0.10	0.44	
ch 312		1	5.80				0.80	0.10	0.46	
ch 337		1	5.80				0.80	0.10	0.46	
ch 375		1	6.00				0.80	0.10	0.48	
ch 417		1	6.00				0.80	0.10	0.48	
ch 488		1	6.00				0.80	0.10	0.48	
ch 519		1	5.30				0.80	0.10	0.42	
ch 540		1	6.00				0.80	0.10	0.48	
ch 558		1	6.00				0.80	0.10	0.48	
ch 580		1	5.50				0.80	0.10	0.44	
ch 603		1	5.50				0.80	0.10	0.44	
ch 651		1	5.80				0.80	0.10	0.46	
ch 703		1	5.80				0.80	0.10	0.46	
ch 750		1	5.80				0.80	0.10	0.46	
ch 795		1	6.00				0.80	0.10	0.48	
ch 822		1	5.80				0.80	0.10	0.46	
ch 850		1	5.80				0.80	0.10	0.46	
ch 875		1	5.50				0.80	0.10	0.44	
ch 903		1	6.00				0.80	0.10	0.48	
ch 940		1	6.00				0.80	0.10	0.48	
ch 975		1	6.00				0.80	0.10	0.48	
ch 1010		1	6.00				0.80	0.10	0.48	
ch 1030		1	6.00				0.80	0.10	0.48	
deduct previous qty										
		-3	4.5				0.75	0.15	-1.52	
		-3	5.5				0.75	0.15	-1.86	

Contractor Consultant Assistant Engineer Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in Sqm	Remarks
		-14	6				0.75	0.15	-9.45	
For Platform										
Ch 30		1	1.8				1.1	0.1	0.198	
Ch38		1	1.8				1.1	0.1	0.198	
Ch 56		1	1.8				1.1	0.1	0.198	
Ch 67		1	1.8				1.1	0.1	0.198	
Ch 80		1	1.8				1.1	0.1	0.198	
Ch 95		1	1.8				1.1	0.1	0.198	
Ch 104		1	1.8				1.1	0.1	0.198	
Ch 120		1	1.8				1.1	0.1	0.198	
Ch 134		1	1.8				1.1	0.1	0.198	
Ch 151		1	1.8				1.1	0.1	0.198	
Ch 170		1	1.8				1.1	0.1	0.198	
Ch 183		1	1.8				1.1	0.1	0.198	
Ch 197		1	1.8				1.1	0.1	0.198	
Ch 223		1	1.8				1.1	0.1	0.198	
Ch 240		2	1.8				1.1	0.1	0.396	
Ch 263		1	1.8				1.1	0.1	0.198	
Ch 264		1	1.8				1.1	0.1	0.198	
Ch 270		1	1.8				1.1	0.1	0.198	
Ch 311		1	1.8				1.1	0.1	0.198	
Ch 343		1	1.8				1.1	0.1	0.198	
Ch 372		1	1.8				1.1	0.1	0.198	
Ch 440		1	1.8				1.1	0.1	0.198	
Ch 480		1	1.8				1.1	0.1	0.198	
Ch 510		1	1.8				1.1	0.1	0.198	
Ch 526		1	1.8				1.1	0.1	0.198	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in Sqm	Remarks
Ch 540		1	1.8				1.1	0.1	0.198	
Ch 543		1	1.8				1.1	0.1	0.198	
Ch 574		1	1.8				1.1	0.1	0.198	
Ch 597		1	1.8				1.1	0.1	0.198	
Ch 627		1	1.8				1.1	0.1	0.198	
ch 635		1	1.8				1.1	0.1	0.198	
ch 660		1	1.8				1.1	0.1	0.198	
ch 694		1	1.8				1.1	0.1	0.198	
ch 715		1	1.8				1.1	0.1	0.198	
ch 745		1	1.8				1.1	0.1	0.198	
ch 775		1	1.8				1.1	0.1	0.198	
ch 780		1	1.8				1.1	0.1	0.198	
ch 840		1	1.8				1.1	0.1	0.198	
ch 860		1	1.8				1.1	0.1	0.198	
ch 875		1	1.8				1.1	0.1	0.198	
ch 900		1	1.8				1.1	0.1	0.198	
ch 965		1	1.8				1.1	0.1	0.198	
ch 985		1	1.8				1.1	0.1	0.198	
ch 1010		1	1.8				1.1	0.1	0.198	
NP3 pipe										
ch 972-1032		1	27				0.45	0.15	1.82	
For Culverts										
15th cross road		1	12.00				1.60	0.15	2.88	
BBmp office road		1	10.80				1.60	0.15	2.592	
								Qty	18.39	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

BRUHATH BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka Zone

NAME OF WORK::Widening of Major Sandeep Unnikrishnan Road from Doddaballapura Road to Yelahanka Bus stand road towards BWSSB Water tank side in ward No.04

Name of the agency: Sri.Uday Shetty

IPC No :2nd and final | **Item No :5**

MEASUREMENT SHEET

Item No: 5 — Providing and laying reinforced cement concrete pipe NP2 of 300mm dia for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour curing complete as per specifications. Specification No.KSRB 1000, 2300 MOST Specification No. 1000 / 2300 (Pg.No. 246, I.No. 34.7.3 of PW, P&IWTD SR 2015 - 16)

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in RMT	Remarks
Chairs				B1	B2	B3	(B1+B2+B3)/3			
1	2	3	4	5	6	7	8	9	10	11
	RMT									
ch 972-1032		1	27						27	
								Total qtty	27.00	

Consultant

Assistant Engineer

Assistant Executive Engineer

BRUHATH BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka Zone

NAME OF WORK::Widening of Major Sandeep Unnikrishnan Road from Doddaballapura Road to Yelahanka Bus stand road towards BWSSB Water tank side in ward No.04

Name of the agency: Sri.Uday shetty

IPC No :2nd and final | **Item No :6**

MEASUREMENT SHEET

Item No : 6

Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 600x600mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in Sqm	Remarks
Removing Stone Slabs				B1	B2	B3	(B1+B2+B3)/3			
1	2	3	4	5	6	7	8	9	10	11
chambers		nos								
ch 20		1							1	
ch 55		1							1	
ch 74		1							1	
ch 125		1							1	
ch 180		1							1	

Contractor Consultant Assistant Engineer Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in Sqm	Remarks
ch 230		1							1	
ch 306		1							1	
ch 360		1							1	
ch 390		1							1	
ch 532		1							1	
ch 648		1							1	
ch 679		1							1	
ch 702		1							1	
ch 727		1							1	
ch 795		1							1	
ch 854		1							1	
ch 895		1							1	
ch 940		1							1	
ch 975		1							1	
ch 992		1							1	
ch 1023		1							1	
								Total qtty	21	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

BRUHATH BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka Zone

NAME OF WORK::Widening of Major Sandeep Unnikrishnan Road from Doddaballapura Road to Yelahanka Bus stand road towards BWSSB Water tank side in ward No.04

Name of the agency: Sri.Uday Shetty

IPC No :2nd and final | **Item No :7**

MEASUREMENT SHEET

Item No : 7 — KSRB 4 6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specifcation No. KBS 4.6.2 (P.No.15, I.No.4.28 of PW, P&IWTD SR 2015-16)

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in Cum	Remarks
				B1	B2	B3	(B1+B2+B3)/3			
1	2	3	4	5	6	7	8	9	10	11
LHS										
for shoulder drains										
ch 20		2	6.00					0.15	1.80	
ch 47		2	5.80					0.15	1.74	
ch 83		2	6.00					0.15	1.80	
ch 108		2	6.00					0.15	1.80	
ch 130		2	6.50					0.15	1.95	
ch 185		2	6.00					0.15	1.80	
ch 206		2	6.50					0.15	1.95	
ch 240		2	5.50					0.15	1.65	
ch 270		2	5.50					0.15	1.65	

Consultant

Assistant Engineer

Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)	D (m)	Qty in Cum	Remarks
ch 283		2	5.50		0.15	1.65	
ch 312		2	5.80		0.15	1.74	
ch 337		2	5.80		0.15	1.74	
ch 375		2	6.00		0.15	1.80	
ch 417		2	6.00		0.15	1.80	
ch 488		2	6.00		0.15	1.80	
ch 519		2	5.30		0.15	1.59	
ch 540		2	6.00		0.15	1.80	
ch 558		2	6.00		0.15	1.80	
ch 580		2	5.50		0.15	1.65	
ch 603		2	5.50		0.15	1.65	
ch 651		2	5.80		0.15	1.74	
ch 703		2	5.80		0.15	1.74	
ch 750		2	5.80		0.15	1.74	
ch 795		2	6.00		0.15	1.80	
ch 822		2	5.80		0.15	1.74	
ch 850		2	5.80		0.15	1.74	
ch 875		2	5.50		0.15	1.65	
ch 903		2	6.00		0.15	1.80	
ch 940		2	6.00		0.15	1.80	
ch 975		2	6.00		0.15	1.80	
ch 1010		2	6.00		0.15	1.80	
ch 1030		2	6.00		0.15	1.80	
deduct previous qty							
		-6	4.5		0.10	-2.70	
		-6	5.5		0.10	-3.30	
		-28	6		0.10	-16.80	

Consultant

Assistant Engineer

Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in Cum	Remarks
For Culverts										
15th cross road		2	12.00					0.25	6.00	
BBmp office road		2	10.80					0.25	5.40	
								Total Qty	**44.91**	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

BRUHATH BANGALORE MAHANAGARA PALIKE

Project Division Yelahanka Zone

NAME OF WORK::Widening of Major Sandeep Unnikrishnan Road from Doddaballapura Road to Yelahanka Bus stand road towards BWSSB Water tank side in ward No.04

Name of the agency: Sri.Uday shetty

IPC No :2nd and final | **Item No :8**

MEASUREMENT SHEET

Item No : 8 — KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (P.No.15, I.No.4.31 of PW,P&IWTD SR 2015-16)

Particulars	Unit	No	L (m)	B (m)				D (m)	Qty in Cum	Remarks
				B1	B2	B3	(B1+B2+B3)/3			
1	2	3	4	5	6	7	8	9	10	11
walls										
for shoulder drains										
ch 20		4	6.00					0.20	4.80	
ch 47		4	5.80					0.20	4.64	
ch 83		4	6.00					0.20	4.80	
ch 108		4	6.00					0.20	4.80	
ch 130		4	6.50					0.20	5.20	
ch 185		4	6.00					0.20	4.80	
ch 206		4	6.50					0.20	5.20	
ch 240		4	5.50					0.20	4.40	
ch 270		4	5.50					0.20	4.40	

Contractor | Consultant | Assistant Engineer | Assistant Executive Engineer

Particulars	Unit	No	L (m)	B (m)	D (m)	Qty in Cum	Remarks
ch 283		4	5.50		0.20	4.40	
ch 312		4	5.80		0.20	4.64	
ch 337		4	5.80		0.20	4.64	
ch 375		4	6.00		0.20	4.80	
ch 417		4	6.00		0.20	4.80	
ch 488		4	6.00		0.20	4.80	
ch 519		4	5.30		0.20	4.24	
ch 540		4	6.00		0.20	4.80	
ch 558		4	6.00		0.20	4.80	
ch 580		4	5.50		0.20	4.40	
ch 603		4	5.50		0.20	4.40	
ch 651		4	5.80		0.20	4.64	
ch 703		4	5.80		0.20	4.64	
ch 750		4	5.80		0.20	4.64	
ch 795		4	6.00		0.20	4.80	
ch 822		4	5.80		0.20	4.64	
ch 850		4	5.80		0.20	4.64	
ch 875		4	5.50		0.20	4.40	
ch 903		4	6.00		0.20	4.80	
ch 940		4	6.00		0.20	4.80	
ch 975		4	6.00		0.20	4.80	
ch 1010		4	6.00		0.20	4.80	
ch 1030		4	6.00		0.20	4.80	
deduct previous qty							
		-12	4.5		0.30	-16.20	
		-12	5.5		0.30	-19.80	
		-56	6		0.30	-100.80	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer

Particulars	Unit	No	L (m)	B			(m)	D (m)	Qty in Cum	Remarks
For Culverts										
15th cross road		4	12.00					1.55	74.40	
BBmp office road		4	10.80					1.55	66.96	
								Total Qty	**154.72**	
								Qty Limited to	**154.62**	

Contractor

Consultant

Assistant Engineer

Assistant Executive Engineer